

CLAIMS

What is claimed is:

1. A method of processing audio streams of an optical disk driver that drives an optical disk where a video stream of a single channel and audio streams of a plurality of channels are recorded, the method comprising:
 - displaying a language selection menu, including a plurality of language choices, in a language selection mode;
 - storing language codes corresponding to a plurality of languages selected from the language selection menu and enabling one or more audio decoders designated for decoding audio streams corresponding to the language codes; and
 - reading audio streams addressed to the language codes from a predetermined recording area of the optical disk and outputting the read audio streams to their respective audio decoders at the same time to output separate audio stream signals corresponding to the different languages.
2. The method of claim 1, further comprising a default mode, wherein in the default mode, a language designated as a default is selected, an audio decoder corresponding to the default language is designated, and an audio stream corresponding to the default language is decoded using the designated audio decoder.
3. The method of claim 1, further comprising outputting the separate audio stream signals corresponding to the different languages to separate audio channels corresponding to each of the different languages.
4. An optical disk driver that reproduces data from an optical disk where a video stream of a single channel and audio streams of a plurality of channels are recorded, the optical disk driver comprising:
 - an RF amplification unit which extracts a servo signal and modulated data from an electrical signal generated from a pickup unit;

a digital signal processing unit which demodulates the modulated data extracted by the RF amplification unit and separates the demodulated data into audio streams of a plurality of channels and a video stream of a single channel;

one or more audio decoding units which separately decodes audio streams selected from among the audio streams of the plurality of channels provided by the digital signal processing unit; and

a system control unit which calls a language selection menu in response to a language selection key signal, selects multiple language codes, designates audio decoding units corresponding to the selected language codes, reads audio streams corresponding to the selected language codes, and outputs the read audio streams to the corresponding audio decoding units at the same time.

5. The optical disk driver of claim 4 further comprising a key input unit, which applies a command for voice selection to the system control unit.

6. The optical disk driver of claim 4, further comprising:
a memory storage that interfaces to the system control unit to store the menu of languages and the multiple selected language codes.

7. The optical disk driver of claim 4, further comprising:
a digital to analog converter to convert the digital signals corresponding to the decoded audio streams to analog signals and simultaneously output the signals to separate audio channels.

8. The optical disk driver of claim 4, further comprising:
a display device responsive to the system control unit to display the language selection menu; and
an input device wherein the user selects from the language selection menu and the system control unit designates the audio decoding units corresponding to the user selected languages.

9. A system to reproduce signals from an optical disk comprising:
a pickup unit to read optical signals from the optical disk;

a digital signal processor that separates the signals read from the optical disk into a video stream and a plurality of audio streams;

a signal decoder that simultaneously decodes separate selected audio streams and the video stream; and

a controller that designates the audio streams corresponding to different selections to be decoded by the signal decoder.

10. The system of claim 9, wherein the signal decoder further comprises:

a plurality of audio decoders to digitally decode separate audio streams corresponding to the different designated selections from the optical disk;

a digital to analog converter to convert the digitally decoded audio streams to analog signals and outputs the analog signals simultaneously in separate channels that correspond to separate audio streams; and

a video decoder to decode the video stream from the optical disk and output a video signal.

11. The system of claim 9, further comprising:

an input device that sends a signal to the controller designating different selections in response to a user input.

12. The system of claim 11, further comprising:

a display device to display different selection choices for the user to choose different selections using the input device.

13. The system of claim 12, wherein the selection choices are different languages.

14. The system of claim 12, wherein the selection choices are different musical tracks.

15. The system of claim 12, wherein the selection choices are different sound effects and musical scores.

16. A system to reproduce multiple signals from a disk comprising:

a pickup unit to read signals from the disk;
a digital signal processor that separates the signals read from the disk into a plurality of audio streams;
a signal decoder that simultaneously decodes separate selected audio streams; and
a controller that designates the audio streams corresponding to different selections to be decoded by the signal decoder.

17. The system of claim 16, wherein the signal decoder further comprises:
a plurality of audio decoders to digitally decode separate audio streams corresponding to the different designated selections from the disk;
a digital to analog converter to convert the digitally decoded audio streams to analog signals and outputs the analog signals simultaneously in separate channels that correspond to separate audio streams.

18. The system of claim 17, wherein the digital signal processor separates a video stream from the signals read from the disk.

19. The system of claim 18, wherein the signal decoder further comprises a video decoder that decodes the video stream from the disk and outputs a video signal.

20. The system of claim 19, wherein the different selections correspond to different languages.